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Elementary School Sprint Test 11021

Problems 1-30

Name: _____
School: _____
Grade: _____

Correct: _____
Incorrect: _____
SCORE (5 x Correct - 1 x Incorrect) = _____

Scorer's Initials: _____ Scorer's Initials: _____

DO NOT BEGIN UNTIL YOU ARE INSTRUCTED TO DO SO

This round of the competition consists of 30 problems. You will have 40 minutes to complete the problems. You are NOT allowed to use calculators, slide rules, books, or any other aids during this round. If you are wearing a calculator wrist watch, please put it on the end of the table now. Calculations may be done on scratch paper. Record only the letter of the answer in the blanks in the right-hand column of the competition booklet. If you complete the problems before time is called, use the remaining time to check your answers.
Scoring: Five points will be awarded for each correct answer. One point will be deducted for each incorrect answer. No deduction is taken for skipped problems.

1. Ava's 10th birthday is this year (2009). What year will be her 16th birthday? 1. _____
   A) 2014 B) 2015 C) 2016 D) 2025

2. Today is Saturday. What day will it be 165 days from now? 2. _____
   A) Sunday B) Monday C) Tuesday D) Wednesday

3. Rolf's pet kangaroo eats 2 bags of kangaroo food per day. One bag of kangaroo food costs 45 cents. How much does one week of kangaroo food cost Rolf? 3. _____
   A) $0.90 B) $3.15 C) $6.30 D) $9.00

4. 9 tens plus 3 hundreds plus 4 ones equals 4. _____
   A) 934 B) 394 C) 349 D) 493

5. Which is the following is evenly divisible by 9? 5. _____
   A) 1233 B) 1234 C) 1236 D) 1239

6. Two prime numbers are added to each other. The result can **NOT** be: 6. _____
   A) 14 B) 13 C) 7 D) 3

7. Pei-Chan had 1 quarter, 2 dimes, 3 nickels, and 4 pennies. His mother gave him three dimes, one penny, and two nickels. How much money does Pei-Chan have now? 7. _____
   A) $1.05 B) $1.01 C) $0.87 D) $0.79

8. One-third of (3 + 6 + 9 + 12 + 15 + 18 + 21 + 24 + 27 + 30) = ? 8. _____
   A) 165 B) 110 C) 55 D) 330

9. In the land of Ah-oooga, 2 Oogies is worth 3 Boogies, and 5 Boogies is worth 7 Noogies. How many Oogies are worth 21 Noogies? 9. _____
   A) 6 B) 7 C) 9 D) 10

10. What is the value of (12 x 12 x 12) ÷ (4 x 4 x 4)? 10._____
    A) 27 B) 12 C) 9 D) 3

11. Which of the following polygons has the most sides? 11._____
    A) hexagon B) octagon C) pentagon D) rectangle

12. One week, three days and five hours is how many hours? 12._____
    A) 101 B) 135 C) 216 D) 245

13. What is the sum of the remainders of (9876 ÷ 5) and (1234 ÷ 10)? 13. _____
A) 0 B) 1 C) 5 D) 10

14. (The sum of all the digits of 2009) x (The sum of all the digits of 2010) = 14. _____
A) 33 B) 0 C) 22 D) 36

15. Eleanor makes a big brownie in a rectangular pan with length 10 inches and width 14 inches. She then cuts the big brownie into little square brownies with area 4 square inches. How many little brownies does she get? 15. _____
A) 6 B) 25 C) 35 D) 70

16. This year, Teresa is 10 years older than Evelyn was 2 years ago. Evelyn is 6 this year. How hold will Teresa be in 3 years? 16. _____
A) 21 B) 17 C) 15 D) 13

17. Which of the following is the largest? 17. _____
A) 3/8 B) 4/10 C) 5/12 D) 6/14

18. How many days are there in the months of July, January, November, and June, combined? 18. _____
A) 121 B) 122 C) 123 D) 124

19. What is the value of (5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16 + 17 + 18 + 19 + 20)? 19. _____
A) 200 B) 210 C) 220 D) 250

20. 3 squares with perimeter 8 centimeters are joined, without overlap, to form a rectangle with length 6 centimeters. What is the area of the rectangle? 20. _____
A) 4 sq cm B) 8 sq cm C) 12 sq cm D) 24 sq cm

21. At the math contest snack bar, one cookie costs $0.49, one lemonade costs $0.99, and one sandwich costs $1.99. Together, Jorge and Mateo buy 2 sandwiches, 4 cookies, and 2 lemonades. They split the cost of the food equally. How much money does each of them pay? 21. _____
A) $4.00 B) $3.99 C) $3.98 D) $3.96

22. What is the value of (9753 x 8427)? 22. _____
A) 82188531 B) 82188551 C) 82188571 D) 82188591

23. A 3-digit palindrome number is a number which is the same whether read front to back or back to front. For example, 636 is a 3-digit palindrome number. How many 3-digit palindrome numbers are there that are less than 300?
A) 9 B) 15 C) 18 D) 20 23. _____

24. Jasmine has 7 coins, which are pennies, quarters, nickels or dimes. She has at least one of each coin. What is the difference between the smallest amount of money Jasmine could have and the largest amount of money Jasmine could have?
A) $0.27 B) $0.44 C) $0.72 D) $1.26 24. _____

25. 2009 + 2008 - 2007 + 2006 - 2005 + ... + 4 - 3 + 2 - 1 = ?
A) 2009 B) 3013 C) 4009 D) 4013 25. _____

26. Don had a whole number of marbles. He gave one-half of his marbles to Betty, then gave one-half of the marbles he had left to Joan, then gave one-half of the marbles he had left to Peggy. At the end, Don had 4 marbles left. How many marbles did Don start with?
A) 8 B) 16 C) 32 D) 64 26. _____

27. What is the hundreds' digit of the product (999,999,999 x 777,777,777)?
A) 7 B) 6 C) 3 D) 2 27. _____

28. Vanessa is thinking of 3 different whole numbers, each less than 50. She adds them together. What is the largest possible value of the sum Vanessa gets?
A) 144 B) 147 C) 148 D) 150 28. _____

29. For every 10 cookies Joon buys, the cookie shop takes $2.00 off the total cost. Each cookie costs $1.75. How much money does Joon spend when he buys 25 cookies for his class?
A) $46.50 B) $43.75 C) $39.75 D) $35.00 29. _____

30. How many two digit numbers have a ones' digit that is larger than the tens' digit?
A) 27 B) 36 C) 45 D) 54 30. _____